

What is claimed is:

1. An electrical junction box comprising:

a case;

a relay part housed in the case;

5 a fuse mounting part which is provided above the relay part in the case, the fuse mounting part allowing a fuse to be attached/detached to/from the fuse mounting part;

a watertight wall which is provided in the case and covers a periphery of the relay part;

10 a drainage channel through which water flows downward, the drainage channel being provided in an outer surface of the watertight wall; and

a drainage hole which is provided in the case and drains the water flowing through the drainage channel to the outside of the case.

15 2. The electrical junction box according to claim 1, wherein

the drainage channel includes an upper groove which is formed in an upper surface of the outside of the watertight wall, allows water entering through the fuse mounting part to flow therein and has an inclined surface on its bottom and a side groove which is communicated with a lowest portion of the inclined surface of the upper groove and is formed in a lateral surface of the watertight wall.

3. The electrical junction box according to claim 2, wherein

the drainage hole comprises a lower-side drainage hole which is opened in a lowest position of the side groove.

25 4. The electrical junction box according to claim 3, wherein

the drainage hole comprises an upper-side drainage hole which is opened in a lowest position of the inclined surface.

5. The electrical junction box according to claim 1, wherein

30 the watertight wall includes a bus bar supporting resin body which supports the second bus bar and an internal cover which is attached on the

relay part side of the bus bar supporting resin body.

6. The electrical junction box according to claim 5, wherein

in an area where the bus bar supporting resin body and the internal cover overlap with each other, a substantially wedge-shaped space extending
5 downward is formed by the bus bar supporting resin body and the internal cover.

7. A bus bar positioning structure comprising:

a first bus bar;

a second bus bar;

10 a bus bar attaching body including the second bus bar;

an internal cover which assembles the first and second bus bars so as to be located in their installation positions, respectively;

a first positioning hole which is provided in any one of the first bus bar and the internal cover; and

15 a first positioning protrusion which is provided in the other one of the first bus bar and the internal cover.

8. The bus bar positioning structure according to claim 7, further comprising:

20 a second positioning hole provided in any one of the bus bar attaching body and the internal cover; and

a second positioning protrusion provided in the other one of the bus bar attaching body and the internal cover.

9. The bus bar positioning structure according to claim 7, wherein

25 in the first and second bus bars, fuse terminals are formed, respectively, which make pairs between the bus bars.

10. The bus bar positioning structure according to claim 7, wherein

the first bus bar is fitted into the internal cover, the internal cover formed with a bus bar fitting concave part which is one step lower than a surrounding surface.

30 11. The bus bar positioning structure according to claim 7, wherein

the first positioning hole is provided in the first bus bar and the first positioning protrusion is provided in the internal cover.

12. An electrical junction box comprising the bus bar positioning structure according to claim 7.

5 13. An electrical junction box comprising:

a first bus bar which has a power terminal formed therein and distributes and supplies power derived from the power terminal;

a second bus bar in which a plurality of relay parts, to which power is supplied from the first bus bar, are fixed to each relay fixing part and control
10 terminals and output terminals of the relay parts are formed; and

a case which houses the first and second bus bars therein and has a connector cavity part in which the power terminal, the control terminals and the output terminals are arranged,

wherein, in the second bus bar, a folded part which is folded in a
15 plane direction of the bus bar is formed.

14. The electrical junction box according to claim 13, wherein

the folded part is set between the relay fixing part and each of the control terminals and output terminals and within a range that the control terminals and the output terminals can be arranged in the connector cavity.

20 15. The electrical junction box according to claim 13, wherein

the folded part is folded substantially at a right angle to a direction in which the relay parts are fixed to the relay fixing part and is folded substantially at a right angle to the control terminals and the output terminals.

25 16. The electrical junction box according to claim 13, wherein

the control terminals and the output terminals, all of which extend from the periphery of the relay fixing part, are put together in the folded part and the control terminals and the output terminals are put together and arranged in the connector cavity.

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